Siwei **Guo**

COMPUTER SOFTWARE ENGINEERING MAJOR · NORTHEASTERN UNIVERSITY

(+1) 206-475-6663 | guo.siw@northeastern.edu | edisonguo.tech | edisoncat | edisonguo

Skills

Programming Languages	Java · JavaScript · TypeScript · C/C++ · Python
Web Development	React.JS · Node.JS(Express) · Spring Boot · AWS · HTML · CSS · Bootstrap · GraphQL · Redux
Database & Tools	MongoDB/Atlas · DynamoDB · H2 · MySQL · Postgres · Git · Postman · Maven · Vim

Education

Northeastern University   *Seattle, WA*
M.S. IN INFORMATION SYSTEMS | COMPUTER SOFTWARE ENGINEERING   *Sept. 2019 - Present*

Shanghai University of Electric Power   *Shanghai, China*
B.S. IN ELECTRICAL ENGINEERING   *Sept. 2014 - Jun. 2018*

Experience

Boonoob - Fabulous Technology Inc.   *San Francisco, CA*
SOFTWARE ENGINEER INTERN - FULL STACK   *Oct. 2020 - Dec. 2020*
- Upgraded REST APIs, back-end services and front-end pages using Node.JS(Express.JS), React.JS and MongoDB
- Proposed the solutions and reported the progress to the supervisor and implemented Agile Software Development
- Boosted the development of Boonoob to raised over $16k as start-up capital on WeFunder

Northeastern University   *Seattle, CA*
TEACHING ASSISTANT - COMPUTATION AND VISUALIZATION AND FOR ANALYTICS   *Jan. 2020 - May 2020*
- Led and instructed a class of 50 students to do computation and visualization for data analytics with R language
- Communicated with the professor about the feedback from the students, over 60% of the class got grade A- and above

MFEducation Technology Inc.   *Shanghai, China*
SOFTWARE ENGINEER INTERN   *Mar. 2018 - Nov. 2018*
- Produced $70k revenue for the company by developing software for embedded systems and electronic devices with C++
- Collaborated with the development team of mobile application to deliver 8 mobile applications for electronic products

Internet of Things Scientific Research Institute   *Fujian, China*
SOFTWARE ENGINEER INTERN   *Jul. 2017 - Sept. 2017*
- Redesigned Tomcat web servers for 2 different enterprise applications with Java
- Facilitated the development of products and generated $40k revenue for the institute with the development team

Projects

Boonoob Social Network   *San Francisco, CA*
SOFTWARE ENGINEER INTERN - FULL STACK | NODE.JS · REACT.JS · REDUX · MONGODB   *Oct. 2020 - Dec. 2020*
- Designed and built a real-world social network with the product team to connect people and boost the gig economy
- Created a cross-platform responsive web application as a Full Stack Engineer with Node.JS, React.JS, HTML and CSS
- Boonoob gained over 200 users and generated over $3k revenue for them in the first 2 weeks in the beta stage

Bookcase   *Seattle, WA*
PERSONAL | NODE.JS · REACT.JS · GRAPHQL · MONGODB ATLAS   *Aug. 2020 - Sept. 2020*
- Initiated a user-friendly book searching web application with Node.JS, React.JS and MongoDB Atlas
- Improved the efficiency of development and querying by using GraphQL instead of JSON

Remember   *Seattle, WA*
PERSONAL | JAVA · REACT.JS · SPRING BOOT · AWS · H2 · BOOTSTRAP   *May 2020 - Jun. 2020*
- Coded an application that allows users to take notes and set reminders with React.JS, Bootstrap, Java, Spring Boot
- Deployed the application on AWS Beanstalk and stored the data in H2 Database

Blackboard   *Seattle, WA*
COURSE PROJECT | JAVA · SPRING BOOT · DYNAMODB · AWS   *Feb. 2020 - Apr. 2020*
- Engineered a web server hosted on AWS that makes it easier for students and school staffs to manage the courses
- Devised the data modelings and REST APIs, and implemented the web server with Java, Spring Boot and DynamoDB